

Attorney Docket No.: 0140116

RECEIVED
CENTRAL FAX CENTER

DEC 04 2006

In the Claims**Claims 1-26 (canceled)**

Claim 27 (new): An antenna switching circuit capable of coupling a plurality of ports to an antenna, said antenna switching circuit comprising:

a first switch activated by a first control signal for establishing a connection between a first transmit port and said antenna;

a second switch activated by a second control signal for establishing a connection between a second transmit port and said antenna;

a third switch activated by a third control signal for establishing a connection between a first receive port and said antenna;

a fourth switch activated by said third control signal for establishing a connection between a second receive port and said antenna, wherein said first receive port and said second receive port are simultaneously connected to said antenna when said third switch and said fourth switch are activated by said third control signal;

a fifth switch activated by a fourth control signal for establishing a connection between a third receive port and said antenna;

a sixth switch activated by said fourth control signal for establishing a connection between a fourth receive port and said antenna, wherein said third receive port and said

Attorney Docket No.: 0140116

fourth receive port are simultaneously connected to said antenna when said fifth switch and said sixth switch are activated by said fourth control signal.

Claim 28 (new): The antenna switching circuit of claim 27 further comprising a bias resistor connected across said first transmit port and said second transmit port.

Claim 29 (new): The antenna switching circuit of claim 27 wherein said first receive port receives low band signals.

Claim 30 (new): The antenna switching circuit of claim 27 wherein said second receive port receives high band signals.

Claim 31 (new): The antenna switching circuit of claim 27 wherein said first transmit port transmits high band signals.

Claim 32 (new): The antenna switching circuit of claim 27 wherein said second transmit port transmits low band signals.

Claim 33 (new): A transmit module for a mobile phone device, said transmit module coupled to an antenna, said transmit module comprising an antenna switching circuit, said antenna switching circuit comprising:

Attorney Docket No.: 0140116

a first switch activated by a first control signal for establishing a connection between a first transmit port and said antenna;

a second switch activated by a second control signal for establishing a connection between a second transmit port and said antenna;

a third switch activated by a third control signal for establishing a connection between a first receive port and said antenna;

a fourth switch activated by said third control signal for establishing a connection between a second receive port and said antenna, wherein said first receive port and said second receive port are simultaneously connected to said antenna when said third switch and said fourth switch are activated by said third control signal;

a fifth switch activated by a fourth control signal for establishing a connection between a third receive port and said antenna;

a sixth switch activated by said fourth control signal for establishing a connection between a fourth receive port and said antenna, wherein said third receive port and said fourth receive port are simultaneously connected to said antenna when said fifth switch and said sixth switch are activated by said fourth control signal.

Claim 34 (new): The transmit module of claim 33 further comprising a bias resistor connected across said first transmit port and said second transmit port.

Attorney Docket No.: 0140116

Claim 35 (new): The transmit module of claim 33 wherein said first receive port receives low band signals and wherein said second receive port receives high band signals.

Claim 36 (new): The transmit module of claim 35 wherein said low band signals are configured in accordance with one of an 850 megahertz GSM band and a 900 megahertz GSM band, and wherein said high band signals are configured in accordance with one of an 1800 megahertz GSM band and a 1900 megahertz GSM band.

Claim 37 (new): The transmit module of claim 33 wherein said first transmit port transmits high band signals, and wherein said second transmit port transmits low band signals.

Claim 38 (new): The antenna switching circuit of claim 37 wherein said low band signals are configured in accordance with one of an 850 megahertz GSM band and a 900 megahertz GSM band, and wherein said high band signals are configured in accordance with one of an 1800 megahertz GSM band and a 1900 megahertz GSM band.

Claim 39 (new): An antenna switching circuit capable of coupling a plurality of ports to an antenna, said antenna switching circuit comprising:

Attorney Docket No.: 0140116

a first switch activated by a first control signal for establishing a connection between a first transmit port and said antenna;

a second switch activated by a second control signal for establishing a connection between a second transmit port and said antenna;

a third switch activated by a third control signal for establishing a connection between a first receive port and said antenna;

a fourth switch activated by said third control signal for establishing a connection between a second receive port and said antenna, wherein said first receive port and said second receive port are simultaneously connected to said antenna when said third switch and said fourth switch are activated by said third control signal

a first control port coupled to a gate of said first switch, said first control port being configured to receive said first control signal;

a second control port coupled to a gate of said second switch, said second control port being configured to receive said second control signal;

a fifth switch activated by a fourth control signal for establishing a connection between a third receive port and said antenna;

a sixth switch activated by said fourth control signal for establishing a connection between a fourth receive port and said antenna, wherein said third receive port and said fourth receive port are simultaneously connected to said antenna when said fifth switch and said sixth switch are activated by said fourth control signal.

Attorney Docket No.: 0140116

Claim 40 (new): The antenna switching circuit of claim 39 further comprising a diode having an anode and a cathode, said anode of said diode being coupled to said first control port and said cathode of said diode being coupled to said antenna.

Claim 41 (new): The antenna switching circuit of claim 39 further comprising a diode having an anode and a cathode, said anode of said diode being coupled to said second control port and said cathode of said diode being coupled to said antenna.

Claim 42 (new): The antenna switching circuit of claim 39 wherein said first receive port receives low band signals and wherein said second receive port receives high band signals.

Claim 43 (new): The antenna switching circuit of claim 39 wherein said first transmit port transmits high band signals, and wherein said second transmit port transmits low band signals.